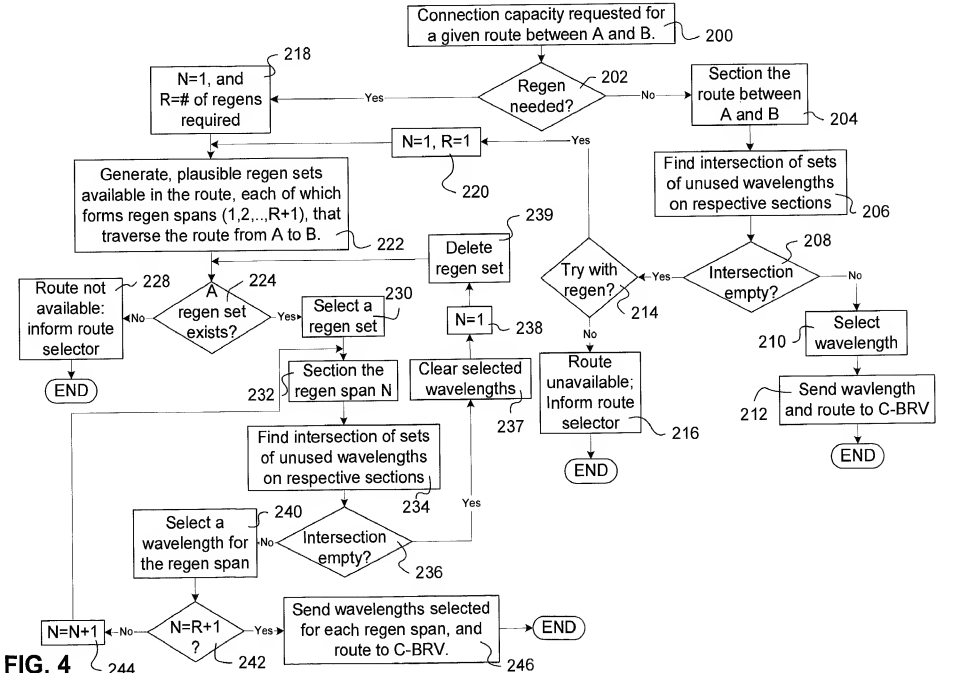
Connection capacity requested for a given route between A and B.
200
Regen needed?
202
Yes
No
N=1, and R=# of regens required
218
Section the route between A and B
204
N=1, R=1
220
Yes
Find intersection of sets of unused wavelengths on respective sections
206
Generate, plausible regen sets available in the route, each of which forms regen spans (1,2,..,R+1), that traverse the route from A to B.
222
Delete regen set
239
Try with regen?
214
Intersection empty?
208
Route not available: inform route selector
228
A
224
regen set exists?
Select a regen set
230
N=1
238
Select wavelength
210
END
Section the regen span N
232
Clear selected wavelengths
237
Route unavailable; Inform route selector
216
Send wavlength and route to C-BRV
212
END
Find intersection of sets of unused wavelengths on respective sections
234
Select a wavelength for the regen span
240
Intersection empty?
236
N=N+1
244
N=R+1 ?
242
Send wavelengths selected for each regen span, and route to C-BRV.
246
END

FIG. 4